

Software Requirement Specifications

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Revision History

Rev No.	Date of Issue	Author	Approved by	Scope
0.1	26/09/2022	Vikas Nagpal	Karthika, J K	Requirements for implementation of Stream Editor Software

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Stream Editor Software

The project is to implement a Stream Editor Software (SES), intended to do work similar to 'sed' command. It will take a pattern_specs file, and substitute the patterns in the input file, to produce an output file

Requirement Tag	Requirement Description	Comments
Functional Requirements		
SES_01	SES accepts input file and pattern_specs file	Mandatory
SES_02	SES shall search replace all "search" strings with corresponding "replace" strings (reading the pairs from pattern_specs file)	Mandatory
SES_03	patten_specs file should support mentioning whether the search/replace is case sensitive or insensitive	Mandatory
SES_04	SES shall load the file contents into memory, and then do all processing in memory. Final result is written to output file at once	Mandatory
SES_05	Should include debug log messages with at least 4 levels (FATAL, INFO, WARNING, DEBUG) https://stackoverflow.com/questions/2031163/when-to-use-the-different-log-levels	Optional
Non-Functional Requirements		

REFERENCES		